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## DATLICATIONS OF SOVIET WORLINDS COLLECTION

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- 1. The USEs has been engaged, especially since 1950, in vigorously collecting terrestrial data on the earth as a winds, chiefly through international scientific activities and foreign aid progress in underdeveloped countries. While the Soviets propagandize their research and aid activities in lofty terms of "peace," "friendship," and for the "good of manking," they are in fact perpetrating a deception designed to strengthen their military power. They freely obtain terrestrial data and large-scale maps of the Free World, which they utilize for their own strategic ends, and yet absolutely refuse to release comparable data and maps of the Soviet Bloc to the Free World. Underdeveloped countries unknowingly surrender valuable basic data that can be used against them in future subversive insurgency operations against their our countries.
- 2. Soviet interest in surveying and mapping and geological-geophysical apploration began with programs decreed by Leain as early as 1919. The original objective was to survey and map the entire UEEE as a prerequisite for systematic mineral exploration, needed for industrial development, and for military operations. By 1955, the UEEE completed its topographic mapping at 1:100,000; and huge investments in geological and geophysical programs over the years have provided the vest natural resources required for the industrialization of the UEEE.

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5. Since 1954, the USER has expanded its activity in the collection of physical environmental data for the entire earth. Soviet topographic and geological-geophysical surveying and exploration activities in foreign eress, through international actentific research and foreign aid programs, provide besic data to the Soviet worldwide study of the earth as a whole from its core to outer space. Soviet doctrine holds that superiority in the collection and emplyeis of eclentific data leads to superiority in the forecasting of otherwise unpredictable natural phenome and, in turn, to military and accessed superfority. Hejer Constal C. I. Pokrovskiy that acquisition of acientific knowledge is competitive and is, therefore, an integral part of the power struggle. On the other hand, the Free World conducts basic research as an end in itself, and the results become a part of worldwide knowledge. Soviet doctrice thus explains the refusel of the USER to release basic terrestrial data in sectory, gravinetry, seismology, commenction, and large-scale geological data covering the Seviet Bloc area. The strategic importance of these terrestrial data and also of topographic maps (at 1:1,000,000 and larger scales) to the UNER is underscored by its rigid Senial of much data and maps to all countries outside the USER, even the other Bloc countries. For example, the Saviets refuse to release 1:1,000,000 may coverage of the DESS to members of UTENCO or suppose else despite Soviet membership in United, under which the production of the International Map of the World (DW), 1:1,000,000, is now being councinsted. Tet as a UNEXXX member the USSA has free access to all DM maps that are produced by other momber countries. The United States offers its large-scale topographic and goologic maps on open sale to anyone in the world.

- 4. Appreciate Soviet participation in international scientific programs began with the 1954 Bowlet proparations for the progress of the Interestional George et lear (IMY), 1957-56, and now has expended into a broad rense of activities appropried by the International Union of Goodesy and Geometralos (IAEG), the Enternational Cormittee of Occupacies, the mercral special Scientific Committees (on Oceanic Mesocroh, on Space, and on Anterctica), under the Internetional Council of Scientific Unions (ICSU), and in the ICRU's Federation of Astronomical and Geophysical Services (FAGS). Soviet foreign sid, through direct progress and through UNEXCO activities, has provided an effective means of stimulating survey progress and of collecting besic environmental date on foreign erens otherwise not accessible to the USSA. Since 1954, the USSA and the other Bloc countries have undertakes various types of survey progress, or construction projects requiring surveys, in more than a dozen undercrycloped countries. That the UES has socces to terrestrial date obtained by other Bloc countries has been desenstrated by the fact that members of the European Blot ware forced to transform their topographic marping systems to conform to the Soviet system. Mere needs, the flow of prodetic date was one-sided -- from the Mos countries to the man.
- 5. It is doubtful whether any of the underdeveloped countries benefiting from Doviet Bloc survey and exploration projects are comme of (1) the contribution such projects make to haviet KDM targeting expabilities, and (2) the loss to their own security through a buildup of Saviet insurgency espabilities. All geological, hydrogeological, topographic, and geophysical (gravity, scienclogical, and magnetic) data obtained through Bloc aid,

including progress financed by UNERCO, are exploited by the USE: in the development of its own projectic program. The objective of this worldwide program that relates directly to the ICBH is to develop (1) greater geodetic accuracies between widely separated points through improved knowledge of the eize and shape of the earth, and (2) a worldwide coordinate system for target purposes, especially in herotofore unmapped areas. Any type of resource exploration (geological, geophysical) or area development project -- transportation, water development -- is usually preceded by a topographic survey to develop a network of gradetic control points. These points can be tied into the Boylet geodetic coordinate system, which also increases algoliticantly the targeting accuracy for the Soviets in the surveyed erea. Geograpical projects usually include gravity determinations which are essential to the Soviet program of determining the external gravity field of the certle. Also, through recent advances in methodology, data on the gravity field one be extrapolated from guological, seismological, and regretic date. Moovledge of the grevity field is not only necessary for the study of the mime and shope of the certh but in useful in converting astronomic soints into geodetic positions through the correction of deflection errors.

Underdeveloped countries undoubtedly are unaware that their own security is jeopardized by the Soviet Bloc acquisition of besic terrestrial data through Soviet technical esciptance progress and through Soviet participation in UnESCO activities. Such detailed data can be utilized in the production of large-scale maps and detailed studies that are invaluable in the planning and conduct of insurgency operations. Then topographic, geologic, and hydrologic data and information on vegetation are assembled and compiled by the extensive

seed capable Seviet remearch and supplies organizations, the resultant conpilation provides unique military geographic information (terrain characteristics, ground conditions relative to movement and concentment, water
supply, pridded maps for artillary fire-control, etc.) that cannot be
duplicated by the underdeveloped countries themselves. When such information is made available by the USER to imagent movements of its choice,
the underdeveloped countries are subjected to a transactous military planning
and tectical disadvantage in countering any action supported by the USER.
Once the forest Bloc obtains such basic information, the underdeveloped
countries cannot control the subscipant development of it for imagency
applications.

6. The underdeveloped countries can play a significant role in countering some of the Soviet benefits now being obtained. Each country receiving
Soviet aid can bely to make a rejer contribution to world science and world
peace by insisting as a condition of an aid agreement that the USEN must
provide identical data on its own area to the US or to appropriate ICEU
ergentisations — point for point, may for map, and scale for scale. In so
doing, it will negate the strategic adventage gained by the Soviet deniel
of basic nelegatific data covering the USEN, may then one-seventh of the land
sourface of the carti.